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(54) Recording selection, high speed and high quality duplication, and royalty payment apparatus and method.

(57) This invention provides a system that allows a customer to select various randomly accessible musical pieces to be copied at a rapid speed onto a tape for his immediate purchase, and that automatically forwards the appropriate royalty payments to the credit of the artists involved. In a preferred embodiment, the available selections are stored and edited on a video tape by means of an audio to video digital converter, are transferred to video disk to form a library, and are retrieved for duplication onto cassette tape by means of a video to audio digital converter. A much higher than normal speed of duplication is maintained with minimal wow and flutter by means of a burst mode input and a rate buffer to output. A synchronized stereo signal is retrieved from each frame of video format, without the expected phase shift problems. An enhanced dynamic range is also provided by an increased number of bits of information being used for each

sampling of the original analog signal. Details of each use of the apparatus are coded onto the medium receiving the copied selections.

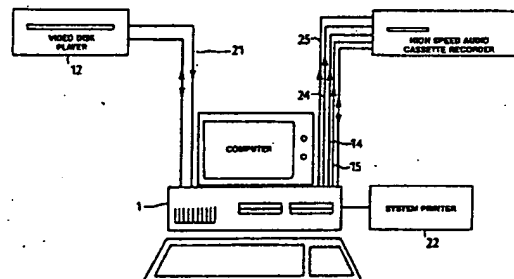


FIGURE 1

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## EUROPEAN SEARCH REPORT

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EP 88 30 8918

### DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D,X	FR-A-2 381 372 (D.SHEEHAN) - - -	1,10, 12-13	G 11 B 27/02 G 11 B 5/86 G 11 B 27/00
D,Y	FR-A-2 381 372 (* page 6, line 36 - page 12, line 12; figure 1 *) - - -	2,4,6-9, 11	G 11 B 23/40 G 07 F 17/30 G 11 B 20/00
D,Y	US-A-4 355 338 (T.YAMAMOTO ET AL) * column 2, line 62 - column 3, line 49; figures 1-3 ** - - -	2,8	
D,Y	US-A-3 990 710 (R.HUGHES) * column 5, line 44 - column 6, line 10; figure 3 ** - - -	11	
Y	US-A-3 789 137 (G.NEWELL) * column 3, line 14 - line 59; figure 1 ** - - -	4,6-7,9	
D,X	US-A-4 227 220 (H.BROWN ET AL) * the whole document ** - - - - -	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 11 B
Place of search		Date of completion of search	Examiner
The Hague		06 February 92	KELPERIS K.
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone		E: earlier patent document, but published on, or after the filing date	
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A: technological background		L: document cited for other reasons	
O: non-written disclosure		.....	
P: intermediate document		&: member of the same patent family, corresponding document	
T: theory or principle underlying the invention			